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Antisubmarine Warfare (ASW) Lexicon

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ADMINISTRATIVE INFORMATION

This document was prepared with considerable and ongoing input from the antisubmarine (ASW) community to foster clear and consistent communications in ASW by Code 604, the Associate for ASW Architecture and Engineering, Naval Ocean Systems Center (NOSC), for the Space and Naval Warfare Systems Command.

The document is offered to the ASW community for their unrestricted application. Suggested additions, deletions, or other comments may be forwarded to NOSC Code 604, attention Cathy Gates.

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ANTISUBMARINE WARFARE (ASW) DEFINITIONS

Acoustic Signature. The noise output characteristic of, and identification with, a specific noise source, e.g., the noise output of a particular class submarine.

Afternoon Effect. The daytime heating of the surface water which results in a reduction of sonar ranges usually in the afternoon.

Air Coordinator. An officer appointed by the Officer in Tactical Command (OTC) to perform air coordination duties specified by the OTC. The Air Coordinator (AC) is normally assigned to the Anti-air Warfare Commander (AAWC) and may be the Antisubmarine Warfare Commander (ASWC).

Aircraft Control Unit. A unit with facilities and controllers for conducting aircraft control, and which exercises tactical control of aircraft or a unit.

Aircraft Operating Authority. The command exercising operational control of aircraft.

Air Watch Officer. An officer assigned to watchstanding duties on the staff of the Antisubmarine Warfare Commander (ASWC), and is responsible to the ASW Air Advisor for the employment of ASW aircraft.

Ambient Noise. The naturally occurring noise in the sea and the noise resulting from man's activity, excluding self-noise and reverberation.

Antisubmarine Warfare Commander. The officer delegated some or all of the OTC's (Officer in Tactical Command) detailed responsibilities for antisubmarine warfare; has the tactical control authority to accomplish the associated missions and tasks to carry out those responsibilities.

Architecture Development. Explore and develop theory and methodology to optimize warfare system architectures.

Architecture Methodology and Theory. Development of Measures of Performance (MOP), Measures of Effectiveness (MOE), and an algorithm and models for computer-assisted design and assessment of architectures.

Associated Support. An option in Nuclear Attack Submarine (SSN) Direct Support (DS) operations wherein the SUBOPAUTH retains tactical control of SSN(DS) units and coordinates the assignments and movements of submarines in response to the support requirements of the Officer in Tactical Command (OTC).

Astern Sector. In screening operations, the sector from 120 degrees clockwise to 240 degrees relative to the projected force track.

ASW Air Advisor. An officer assigned to the staff of an Antisubmarine Warfare Commander (ASWC). He is responsible for supervising the performance of assigned Air Watch Officers and subordinate watchstanders.

ASW Architecture (Warfare System Architecture). A framework of organizational structures and relationships that use resources to perform functions to achieve an objective or goal.

- a. Organization: Subdivision, unit, individual
- b. Resource: Physical systems, computers, people
- c. Function: Process, procedure, algorithm

Background Noise. All unwanted sounds, other than reverberation, received by a hydrophone, including ambient and self-noise.

Baseline/Class One Architectures. Architectures dictated by systems presently planned or in development.

Best Depth Range. That predicted range an active sonar can expect against a submarine at 200 ft below the layer or at 1000-ft depth or at 5 ft above the bottom, whichever is the most shallow, in a given water column.

Bottom Bounce. A form of sound transmission in which sound rays strike the bottom and are reflected back toward the surface.

Cartesian Coordinate Grid. The grid used for rapid reporting of position in a form compatible with manual and Naval Tactical Data systems.

Cavitation. The formation of local cavities (bubbles) in a liquid as a result of the reduction of local pressure. This pressure reduction may result from a negative pressure produced by rarefaction, or from the reduction of pressure by hydrodynamic flow such as is produced by high-speed movement of an underwater propeller.

C3 Architecture. A blueprint or blueprints relating doctrine, procedures, processes, organizational structure, personnel, equipment, facilities, and communications that could provide authorities at all levels with timely and adequate data to plan actions, assess mission effectiveness, position and prepare own forces, acquire tactical information, evaluate situation, direct actions, and execute weapons actions.

C3 System. A subset of a C3 architecture that has directly measurable input/output attributes.

Cavitation Speed. The speed for an individual ship at which propeller blade cavitation is the predominant factor in the ship's acoustic signature.

Choke Point. An area of navigable water where the selection of alternate routes is restricted by land mass or unnavigable water.

Clear Circuit. Unencrypted radio communications circuit.

Close Support Area. Area surface to unlimited as established by the Officer in Tactical Command (OTC).

Cold. Antisubmarine Warfare contact is not held; submerged contact known or assumed to be enemy (GOBLIN) is not held.

Communications Relay Aircraft. An aircraft tasked to relay communications from one unit to another, normally VHF/UHF voice relay.

Communications Security. Cryptosecurity, transmission security, emission security, and physical security of communications security materials and information.

Computer System Application Function. A systematic arrangement and execution of computer system organic functions to accomplish a system function.

Computer System Organic Function. The basic operations performed by computer systems regardless of the application in which the computer system is employed.

Contact Prosecution. The act of localizing submarines, then attacking and/or maintaining contact after achieving attack criteria.

Convergence Zone. That region in the deep ocean where sound rays, refracted from the depths, focus at the surface in successive intervals of 35 miles or less.

Correlation. The process of determining if two or more contact reports are associated with the same object.

Counterdetection. The act of detection by others of one's activity or operation (e.g., detection by enemy submarines of own-force active sonar).

Cross-fix. The act of determining the position of objects (usually ships) by lines of bearing from different locations at about the same time.

Datum. The last known position of a submarine, or suspected submarine, after contact has been lost.

Datum Error. An estimate of the degree of accuracy in the reported position of datum.

Datum Time. Time when contact with the submarine, or suspected submarine, was lost.

Decibel (dB). A value that expresses the comparison of two sounds of different intensities. This value is defined as 10 times the common logarithm of the ratio of the two sound intensities.

Defensive Perimeter. In screening operations, the perimeter encompassing the main body wherein the expected threat for which the screen was designed is not permitted to penetrate without being detected and opposed.

Deliberate Attack. An attack delivered with maximum accuracy against an enemy submarine when the tactical situation allows time to obtain accurate track data.

Delousing. Searching in the vicinity of the task force main body to detect any potentially hostile submarines.

DIFAR. The technique that employs passive directional sonobuoys to provide target detection, classification, and bearing.

Dogbox. Area within which units may interfere with, or be endangered by, own ASW torpedoes. Defined as a circle of radius 2000 yards with 6-minute duration.

DOWNLINK. Communications directed to a submerged (below periscope depth) submarine from surface or air units.

EARDRUM. Call sign for aircraft assigned to relay SSN in area support communications to OTC/ASWC.

Echo Level. In active sonar, the level or strength of a returning echo over a given range expressed in decibels referenced to 1 micropascal (dB/1 μ Pa).

Emission Control. The management of all electromagnetic and electroacoustic emissions of a force or unit.

Estimated Position. The refinement of datum to reflect additional information concerning the likely position of a submarine, or suspected submarine, but insufficient to define the exact current position or a new datum.

Figure of Merit. The maximum propagation loss in dB that a target signal can undergo and still be detected 50 percent of the time by the Sonar Operator.

Flaming Datum. A datum established by a submarine's attack on a ship vice contact on the submarine with the datum position being the ship's position at the time of attack; datum error being the estimated firing range of the submarine's weapon, and the datum time being the time of the attack.

Flank. In screening operations, the sectors from 240 to 300 degrees and 60 to 120 degrees clockwise relative to the projected force track.

Functional Superset. A set of functions with the following characteristics: unambiguously defined; nonredundant and mutually exclusive; groupable into subsets which satisfy the requirements of a particular commander or set of commanders associated with a command level or platform; when aggregated, they span the total functionality required to meet the warfare requirements.

Farthest-on-Circle. An expanding circle centered on a datum or search center of which the radius at any one time is a command estimate of maximum submarine travel from datum plus datum error.

Fusion (data fusion). The combining of dissimilar information into a new complex product.

Future/Class Three Architectures. Systems that could be deployed, with some technical risk, in the future.

GOBLIN. Submerged contact assumed to be enemy submarine.

Gradient. The rate of change of an environmental variable over a given distance. In the sea, for example, a temperature gradient is the change of temperature with depth. The temperature gradient is positive if temperature increases with depth.

Grid Guard. That unit to whom the OTC has delegated responsibility for the accuracy and security of the current grid in force.

GUERRILLA. A priority collective sign indicating an SSN(DS) has high-precedence traffic to communicate to the OTC/ASWC. Any unit receiving this call is to reply, authenticate if necessary, and relay. This call sign is used to break into a circuit being used for other high-precedence traffic.

HOT. Contact on GOBLIN; GOBLIN is held.

Identification Safety Range. A range established to ensure that an aircraft does not enter the gun or missile engagement zone of a surface force until it is recognized as friendly.

Inner Screen. A screen in the immediate vicinity of the main body, generally within UHF range of the main body.

Integrated Acoustic Communications System. Provides a capability for realtime, low-data rate, acoustically overt, tactical communications between appropriately equipped submarines, surface ships, and aircraft (via a buoy) at ranges to 40 miles.

Integrated Analysis Technique/Structured Analysis Tool. Computer-assisted system

engineering tools for architectural design and evaluation.

Integrated ASW Plan. A statement of ASW policy, intended employment of ASW assets, and contact response instructions. It is published by the OTC in the operation order and based on the recommendation of the ASWC.

Integrated Support. An option in SSN Direct Support (DS) operations wherein the OTC has tactical command of assigned SSN(DS). The OTC is assigned an area cleared of other friendly submarines by the SUBOPAUTH. Within this cleared area (Integrated Support Area), the OTC positions the SSNs and is responsible for preventing mutual interference among the assigned SSN(DS) as well as providing for their safety from attack by friendly forces. These responsibilities are delegated to an ASWC when assigned.

Integrated Support Area. A geographic submarine operating area allocated to the OTC by the SUBOPAUTH wherein the OTC operates as signed SSN(DS).

Joint Force Integration. Integrate architectural methodology with current and proposed architectural efforts of other services.

Killing Ground. That area between the inner screen and Submarine Patrol Areas in the outer screen where antisubmarine attacks are planned.

King Pin. A reference position established arbitrarily by an aircraft for reporting the position of contacts or datum.

Limiting Lines of Approach (LLA). Mathematically calculated limits, relative to the force within which an attacking submarine must be to reach the Torpedo Danger Zone.

Limiting Lines of Quiet Approach. LLA for a nuclear submarine at quiet speeds.

Limiting Lines of Submerged Approach. LLA for submerged diesel-electric submarine at quiet speed (10 knots).

Linebacker. A surface ASW ship assigned a communication circuit for ease of reference and clarity.

Localization. The determination of a contact's position by reducing the general area of contact to a more definite and smaller area.

LOFAR. The technique that employs passive nondirectional sonobuoys to provide target detection and classification.

Main Body. A group of warships and naval auxiliaries, or a single ship escorted by warships and/or aircraft, and not designated a convoy.

MAD (magnetic anomaly detector). An active device that detects the presence of a magnetic material by the distortions such material produces in the natural magnetic field of the depth.

Maritime Patrol Aircraft. All current types of maritime land-based planes, excluding those unarmed multiengine aircraft used for utility and transport service, that have the capability to operate over the sea environment.

Marking. The act of maintaining a continuous readiness to deliver weapons against a specific target without further localization or weapon preparation.

Maximum Effective Torpedo Firing Range. The maximum distance at which a torpedo may be fired with a reasonable probability of achieving the desired result (assessed as 10,000 yards).

Measure of Effectiveness. Measurable attributes of system performance within an operational environment, e.g., probability of detection of enemy submarines.

Measure of Force Effectiveness. Measurable attributes of mission performance, e.g., number of hostile forces eliminated.

Measure of Performance. Measurable attributes (numerical) of system performance, e.g., mean time to failure.

Median Detection Range. A term used within the air ASW community to describe that continuous range at which there is a 50-percent probability of detection on any one sonobuoy of the signal source for which the computation is made.

Mobile Exercise Area. A moving area of specified dimensions established around a submarine, or surface ship, extending about the estimated position along the track, and designated only in peacetime for use in transit by a submarine to prevent or minimize interference by friendly forces.

NESTOR. A UHF voice communications encryption system.

Noise Limited. That situation in which the maximum range of detection is limited by that part of background noise and own-ship noise detected by the sonar.

NOTACK Area. A special weapon-tight haven within an SSN Patrol Area. An established "no attack" area inside the SSN Patrol Area.

Operational Control. The authority delegated to a commander to direct forces assigned so the commander may accomplish specific missions or tasks usually limited by function, time, or location; to deploy units concerned; and to retain or assign tactical control of those units. It does not include the authority to assign separate employment of components of the units concerned, nor does it include administrative or logistic control.

OPGEN ALFA. A message format for distribution of general information by the OTC to all units and appropriate shore authorities.

OPGEN FOXTROT. A message format for helicopter tasking by the Air Coordinator to the warfare commanders, Screen Commander, carriers, helicopter-equipped ships, and screen ships.

OPGEN GOLF. A message format for issuing ASW policy by the ASWC to all ships and air squadrons in a Battle Group.

OPGEN HOTEL. A message format for ships with helicopters embarked or with air control capability to state their availability to the OTC and AC.

OPGEN SIERRA. A message format for the OTC/ASWC to distribute essential information to SSN(DS).

OPGEN TANGO. A message format for exchange of ASW scene of action information.

Optimum Sonar Speed. The speed for an individual surface ship at which, over a period, it can achieve the maximum sweep area with its sonar in the prevailing environmental conditions.

ORESTES. An HF radio teletype communications encryption system.

Outer Screen. A screen removed from the main body, generally beyond UHF range of the main body, and forms the outer defensive perimeter.

Periscope Depth Range. That predicted range an active sonar can expect against a submarine at 60-ft keel depth in a given water column.

Plan Black. The intended employment of units immediately after contact is lost.

Plan Red. The intended employment of units as soon as contact is gained.

Position and Intended Movement. A reference position established by the OTC at a given time and a forecast of the course(s) and speed(s) expected to be made good over the ground.

Possible Submarine. A contact for which there is some information available that indicates the likely presence of a submarine, but

insufficient evidence to justify a higher classification.

POUNCER. A ship or helicopter tasked to localize and/or attack submarines once contact is gained.

Predicted Sonar Range (PSR). The range estimated by consideration of factors that influence the propagation of sound, such that target returns will be identified by an average, unalerted sonar operator 50 percent of the time. For passive search, the definition implies the range at which the maximum allowable propagation loss the target signal can suffer and still be detected by the operator 50 percent of the time. At all lesser ranges, the target will be detected at least 50 percent of the time. Convergence zone and bottom bounce detection ranges are included within PSR only if detection capability is continuous at lesser ranges.

Probable Submarine. A contact that displays strong cumulative evidence of being a submarine.

Procedure ALFA. A procedure whereby a detaching Surface Attack Unit (SAU) retains and employs an ASW circuit for its exclusive use for the investigation/prosecution of its contact, and the SAU and the screen ships are not required to shift frequencies to SCREEN TACTICAL.

Procedure BRAVO. An optional procedure whereby a detaching Surface Attack Unit (SAU) retains and employs SCREEN TACTICAL for its exclusive use for the investigation/prosecution of its contact, and the remaining screen ships will be ordered to shift to SCREEN TACTICAL ALFA UHF.

Prudent Limit of Endurance. The time an aircraft can remain airborne and still retain a given safety margin of fuel.

Radar Flooding. A continuous all-around use of radar.

Restricted Water. Navigable waters where operations are significantly affected by water

depth, the proximity of land, or unnavigable water.

Reverberation. The combined sound of many small echoes returned to the hydrophone by surface, bottom, and volume scattering.

Reverberation Limited. A description of the condition in active sonar when the reverberation interference level is higher than the background noise level.

Road. Axis of a sonobuoy pattern.

Scene of Action Commander. The officer who temporarily assumes tactical command in a limited area as a result of contact with the enemy.

Search Attack Unit. The designation given to a unit separately organized or dispatched from a formation to search for and attack submarines.

Secure Circuit. An encrypted communications circuit.

SEC Watch Officer. An officer assigned to watchstanding duties on the staff of the ASWC and responsible to the Submarine Element Coordinator (SEC) for the employment of SSN(DS).

Self-Noise Limited. The condition when the component of acoustic background noise generated by the listening ship is the predominant source of background noise.

Shadowing. The observation of an enemy unit or force, usually as a sequel to surveillance or reconnaissance, for the purpose of reporting its composition, location, movement, and any other relevant information.

Shadow Zone. In the ocean, a space of reduced ensonification bounded by the limiting ray and surface layer boundary.

Shallow Water. Water of such depth that the proximity of the bottom has significant impact

on operations or performance. Defined to be 100 fathoms or less.

SIMAS. An automated computer acoustic prediction system.

SINKER. A radar contact that later disappeared.

Situation ALFA. A command relationship ordered by the common superior of a support force and another force whereby the two forces integrate and the senior officer present becomes the OTC of the combined force.

Situation BRAVO. A command relationship ordered by the common superior of a support force and another force whereby the support force provides direct support and the senior OTC of the two forces coordinates the tactical operations of the two forces.

Situation CHARLIE. A command relationship ordered by the common superior of a support force and another force whereby the support force commander has discretion how best to provide support.

Snorkel (SNORT). An extendable breather pipe that enables a submarine to operate on diesel engines while remaining submerged.

Sonobuoy. A free floating or anchored device consisting of a buoy, radio telemetering equipment, and a hydrophone. The hydrophone receives signals that are then transmitted to a receiver for analysis.

Source Level. Sound pressure measured 1 yard from the source and expressed in dB referenced to one micropascal (dB/1 μ Pa/yd).

SSN Control Ship. That ship from which tactical control of the SSN(DS) is exercised by the ASWC.

SSN(DS) Station. The area defined inside an SSN Patrol Area within which the SSN(DS) is expected to conduct search operations.

SSN Patrol Area. The assigned area established by the ASWC (Integrated Support) or SUBOPAUTH (Associated Support) wherein

SSN(DS) is constrained to operate. Within the rules of the Patrol Area, the SSN(DS) may operate without interference from an attack by friendly forces.

Submarine Element Coordinator. The principle advisor, for submarine matters, to the commander exercising tactical control over SSNs in the Direct Support role.

Submarine Intended Movement. A reference point defining a geographic position and movement.

Submarine Notice. A message report originated by a Submarine Operating Authority (SUBOPAUTH) providing movement information by which submarines are routed in peace and war and including transit and patrol zone information.

Submarine Operating Authority (SUBOPAUTH). Title used to indicate the command exercising operational control over submarines.

Surface Action Group. A unit of surface ships, which may be supported by fixed-wing aircraft or helicopters, formed to counter a surface threat.

Surveillance Area. The air space in an AAW area in which detection, tracking, and identification of an air threat takes place.

SWAP. The executive order for exchange of the duty of Scene-of-Action Commander from one unit to another.

System Engineering. The systematic application of technology and engineering principles to optimize the performance of an architecture within specified constraints of time and money.

System Function. The process by which personnel, with computer systems or computer systems alone, support accomplishment of an operational function.

Tactical Picture. The past and present position and identification of all air, surface, and subsurface platforms in the tactical area of interest. The description of the environment in the tactical area of interest, specifically, Eland masses, bottom contours, present atmospheric and oceanographic conditions.

Tactical Situation. The interpretation of the tactical picture in light of the assessment of enemy posture and own-force posture. Posture includes examination and assessment of the operational capability, tactics, vulnerabilities, intentions, and operational effectiveness.

Tactical Sonar Range. A range based on the reported SRs and may make allowances for probable submarine depth, alertness of operators, level of unit efficiency, etc.

Target Motion Analysis. The examination of target bearing information to localize the target.

Technical Review and Integration. Provide top-level review of architectural design methodology and products; evaluate efforts for consistency with other naval force level architectures and appraisals.

Torpedo Countermeasure. The material and tactical measures that are adopted by ships for protection against submarine torpedoes.

Torpedo Danger Area. The area extending beyond the farthest-on-circle for an arbitrarily assessed distance of 8000 yards.

Torpedo Danger Zone. An area in which the submarine must enter to be within maximum effective torpedo firing range.

Towed Array. Two or more hydrophones feeding into a common receiver from a configuration pulled astern by a surfaced or submerged platform. Towed arrays are classified as tactical, in which case they have the capability of being towed at near maximum platform speeds, or classified as surveillance, in which case they are towed at slow speeds.

Tracking. Estimation of an object's position in space.

Track Integration. The merging of tracks from multiple sources into a composite track picture.

UPLINK. Communications directed to surface or air units from a submerged (below periscope depth) submarine.

Urgent Attack. An attack delivered with maximum rapidity against an enemy submarine located in a position that is considered an immediate threat.

Van. In screening operations, the sector from 300 to 60 degrees clockwise relative from the projected force track.

Variable Depth Sonar. A sonar whose transducer is towed beneath its parent ship to improve sonar detection ranges.

Vectored Attack. An attack in which a weapon-carrying unit not holding contact on the target is vectored to the weapon delivery point by a unit that holds contact on the target.

Vectored Intercept. The positioning of one or more SSN(DS) based on data gathered from other sources to intercept seaborne forces that pose a threat to the Task Group or other friendly forces.

Vital Area. The inner part of the destruction area, centered on the main surface units in

which the primary mission of the force depends, and within which no attackers should be allowed to penetrate without being engaged. The outer limit of the vital area is the assumed release point of enemy bombs and/or ASCM missiles.

Warfare Mission Areas. Anti-air Warfare (AAW), Antisubmarine Warfare (ASW), Antisurface Warfare (ASUW), Amphibious Warfare (AMW), Electronic Warfare (EW), Strike Warfare (STW), Mine Warfare, Submarine Warfare, and Unconventional.

Warfare Mission Support Areas. Air resources coordination, C3 countermeasures, surveillance, reconnaissance, search and rescue, intelligence, operational deception, cryptologic communications, logistics, movement, disposition/formation/task organization, joining, rules of engagement, rules to prevent mutual interference, and defense/readiness conditions.

Warfare System. The assemblage of personnel, hardware, and software resources of a naval activity (platform or shore site) operating in a prescribed manner to fulfill the warfare mission requirements of the activity.

Weapon Release Point. The point where a single weapon, on the first weapon fix of a pattern, is released so it enters the water at the splash point. For aircraft attacks, it allows for the aircraft's direction, speed, and altitude of approach and the characteristics of the weapon.

OVER-THE-HORIZON TARGETING (OTH-T) DEFINITIONS

Battle Damage Information. The efficiency of providing battle damage information to the decision maker.

Classification. The ability of a sensor or source to correctly identify targets detected.

Completeness. The sufficiency of information forwarded based upon reports received.

Consistency of Tactical Picture. The consistency of a decision-maker's or launch platform's tactical picture as compared to the afloat correlated product.

Data Element. Individual and specific information elements necessary to arrive at a quantitative value for an MOE (Measures of Effectiveness).

Detection. The availability of a sensor or source to detect and maintain contact given a detection opportunity.

Detection Opportunity. Any 30-minute period of an exercise when a given sensor has had no contact with a target for 30 minutes and all of the following conditions are met:

- a. Sensor with propagation path of emission, includes horizon limits for Line-of-Sight (LOS) detections.
- b. Signal/noise ratio of signal at sensor is within engineering specifications.
- c. Other sensor engineering specifications permit reception of signal (NOTE: Sensor OFF, wrong MODE, band, direction, etc., do not apply).
- d. If passive sensor, following minimum time (duration) of signal emission is required: Shore HFDF-10 minutes, SELOR-1 minute, ELINT ESM-1 minute,

OUTBOARD-2 minutes, Acoustic-2 minutes.

- e. If OUTBOARD, source <150 NM from signal.

Engagement Envelope. An area described by a 50-NM radius around an intended OTH-T target.

Exercise Area. The geographical area designated by the Officer Conducting the Exercise as the bounds in which the exercise will be conducted.

Geographical Accuracy. The ability of a sensor or source to geographically locate targets and nontargets.

Ground Truth Position. The most accurate reconstructed position or track available as a result of an examination of all available geolocational sources.

Information Correlation. The results of a processing center's efforts to correlate information.

Integrated Acoustic Communications System. Provides a capability for realtime, low-data rate, acoustically overt, tactical communications between appropriately equipped submarines, surface ships, and aircraft (via a buoy) at ranges to 40 miles.

Killing Ground. That area between the inner screen and Submarine Patrol Areas in the outer screen where antisubmarine attacks are planned.

Loading. The volume of reports originated or received by a sensor/source, communications link, processing center, or data/tracking system.

MOE Areas ROFs. Areas of functions necessary for the OTH-T System to support an operational commander's use of ASUW OTH-T as an at-sea operation.

Navigation Accuracy. The sufficiency of self-locational information.

Operational Availability. The operational time an accessed system is available to support OTH-T.

OTH-T. The process of detection, classification, tracking, and targeting at over-the-horizon ranges.

OTH-T Data Base. An ORACLE OTH-T data base developed by the Naval Ocean Systems Center that accepts specified OTH-T data elements and MOEs and provides computer-assisted computation of MOEs.

OTH-T System. The collective whole of sensors (organic and nonorganic), processing centers (shore and afloat), communications links and interfaces, and weapons control systems that contribute to OTH-T.

OTH-T Weapons Area. An area described by the radius from a surface or subsurface OTH-T weapon platform of the maximum operational range of a particular OTH-T weapon plus a 50-NM buffer.

Report Interoperability. The ability of a node or communications link to accept OTH-T reports automatically without manual processing or creation of duplicate reports.

Surface Classification. The determination of a surface contact's status as a target or nontarget.

Surface Classification Report. A sensor or source report that contains a determination of at least target/nontarget classification

(designation, name, ship/radar type, etc.) or maintains continuity on a track previously designated a target or nontarget, including High-Interest Track (HIT) notation.

Surface Target. A surface platform designated by the Officer in Tactical Command as a Critical Contact of Interest or as a Contact of Interest.

System Access. The time a sensor, source, or communication link is made available by its control authority when tasked by the operational authority.

Target Acquisition Quality/Source. The sufficiency of information for target acquisition and the determination of sensor contribution to targeting engagements.

Targeting Information Quality. The targeting quality of arriving reports at a weapons launch/targeting platform, data/tracking system as measured by individual informational elements of reports.

Timeliness. The time information remains in the node or communications link until forwarding or appropriate action is taken.

Tracking Picture Quality. The ability of a data/tracking system to maintain a presentation of locational information on units within a designated engagement envelope within the specified radius of uncertainty.

Valid Detection. A sensor report of target contact that locates the position contact within a 25-NM radius of the ground-truth position and does not include conflicting (false) classification data.

ASW ACRONYMS AND ABBREVIATIONS

A

A2 Acoustic Analysis; Active Adjunct;
 Advanced Active; Antiaircraft
A3 Antiaircraft Artillery
AABNCP Advanced Airborne Command
 Post
AACA Airborne ASW Coordination
 Aircraft
AAD Active Acoustic Device
AAG Amphibious Assault Group
AAIS Airborne Acoustic Intercept System
AAM Air-to-Air Missile
AAP Analytical Assessment Plan
AAS Activity Accreditation Schedule
AASMD Airborne Antiship Missile
 Defense
AASWA Advanced ASW Avionics
AAW Anti-air Warfare
AATC Airborne ASW Tactical
 Coordinator
AAWC Anti-air Warfare Commander
ABF Adaptive Beamformer
AC Air Coordinator; Alternating Current
A/C Aircraft
ACAN Acoustic Analyzer
ACC Acoustic Control Console
ACCS Afloat Command and Control
 Subsystem
ACIMD Advanced Concept in Missile
 Demonstration
ACINT Acoustic Intelligence
ACK Acknowledged
ACLS Automatic Carrier Landing System
ACM Acoustic Countermeasures
ACNO Assistant Chief of Naval
 Operations
ACP Automated Computer Program
ACPA Adaptive Controlled Phased Array
 Antenna
ACS Air Control Supervisor; Afloat
 Correlation System
ACTIV Activate
ACU Aircraft Control Unit
AIROPAUTH Aircraft Operating
 Authority

A/D Analog-to-Digital
AD Air Data
AD/AC Automatic Detection/Automatic
 Classification
ADAS Air Deployable Array System
ADBMS Acoustic Data Base Management
 System
ADC Acoustic Device Countermeasure;
 Acoustic Display Console
AD/CAC Automatic Detection/Computer-
 Aided Classification
ADCAP Additional Capability Program
 (Mk 48 Torpedo)
ADD Acoustic Deception Device
ADDS Applied Digital Data Systems
ADEC Adaptive Detection, Estimation
 and Correlation
ADF Advanced Disk File
ADI Acoustic Data Interface; Air Defense
 Initiative
ADL Auxiliary Display Logic
ADLIPS Automatic Data Link Plotting
 System
ADM Advanced Development Model
ADP Acoustic Data Processing; Automatic
 Data Processor/Processing
ADPS Automatic Data Processing System
ADPSP Automatic Data Processing
 Supervisor
ADT Automatically Detect a Track
AE Acoustic Emission; Acoustic Evaluator
AEPS Automated Environmental
 Prediction System
AERP Active Emission Receiver Processor
AFC Automatic Frequency Control
AFCS Antiship Missile Defense
AFD Amplitude-Frequency Designators
AFS Combat Stores Ship
AG Array Gain
AGC Automatic Gain Control
AGI Intelligence Collection Ship
AGL Above Ground Level
AGM Air-to-Ground Missile
AGOR Oceanographic Research Ship
AHRS Automatic Heading and Recording
 System
AI Artificial Intelligence

AIAC Auto Initial/Auto Track	APCOA Actual Probability of Acquisition
AIC Airborne Information Correlation	APL Applied Physics Laboratory
AIMC Auto Initiate/Manual Confirm	APP Acoustic Performance Prediction
AIP Automatic Input Processing	APS Adaptive Processor Sonar
AIR Acoustic Intercept Receiver	APSUB ASW Program Subsurface
AIRBAT Air Battle (Model)	APSURF ASW Program Surface
AIRTASK NAVAIR Task	APZ Air Patrol Zone
AIS Acoustic Intercept System	AQD Additional Qualification Designation
AJ Antijam	AREC Air Element Coordinator
ALG Antisubmarine Rocket Launcher Group	ARH Antiradiation Homing (Seeker)
ALI Automatic Line Integration	ARM Antiradiation Missile
ALICE Adaptive Line Canceller and Enhancer	ARNAV Area Navigation
ALP Air Liaison Party	ARO Auxiliary Readout
ALWT Advanced Lightweight Torpedo	ARPA Advanced Research Projects Agency
AM Amplitude Modulation	ARRCS Air Raid Reporting Control Ship
AMBIG Ambiguity	AS Air to Surface
AMCM Airborne Mine Countermeasures	ASAC Antisubmarine Air Controller
AME Angle Measuring Equipment	ASAM Active Synthetic Aperture Radar Antiship Missile
AMOS Acoustic Meteorological Ocean Survey	ASAS Antisubmarine Air Supervisor
AMS Advanced Missile System	ASC Air Support Coordinator
AMSS Advanced Multimission Sensor System	ASCAC Antisubmarine Classification and Analysis Center
A/N Alphanumeric	ASCL Advanced Sonobuoy Communication Link
AN Ambient Noise (Sonobuoys)	ASCM Antisubmarine Cruise Missile; Antisurface Cruise Missile; Air-to-Surface Cruise Missile
ANAL Analysis	ASE-MASE Automatic Signal Ejector-Modified Automatic Signal Ejector
ANK Alphanumeric Keyboard	ASIM Antisubmarine Simulation Mode
ANM Ambient Noise Measurement	ASIO A-Scan Indicator Operator
ANMCC Alternate National Military Command Center	ASM Air-to-Surface Missile
ANZUS Australia, New Zealand, United States	ASMD Antiship Missile Defense
AOA Angle of Arrival; Amphibious Objective Area; Area of Activity	ASO Acoustic Sensor Operator
AOE Fast Combat Support Ship	ASP Advanced Signal Processor
AOI Area of Interest	ASPO Acoustic Signal Processor Operator
AOP Area of Probability; Accuracy of Position; Avionics Operational Program	ASPR Armed Services Procurement Regulation
AOR Area of Responsibility; Replenishment Oiler	ASRAP Acoustic Sensor Range Prediction
AOU Area of Uncertainty	ASRAPs Antisubmarine Range Prediction System
AOUE Area of Uncertainty Factor	ASROC Antisubmarine Rocket
APA Air Patrol Area	ASSET AASMD Sensor Suite Evaluation Technique
APAIR ASW Program Air Engagement Model	ASST Antiship Surveillance and Targeting
APBI Advanced Planning Briefings for Industry	ASTACS Air ASW Tactical Support System

ASUW Antisurface Warfare
ASUWC Antisurface Warfare Commander
ASW Antisubmarine Warfare
ASWC Antisubmarine Warfare Commander
ASWCS Antisubmarine Warfare Control System
ASWCCS Antisubmarine Warfare Command and Control System
ASWCSI ASW Combat System Integration
ASWE Antisubmarine Warfare Evaluator
ASWFCO Antisubmarine Warfare Fire Control Officer
ASWIXS Antisubmarine Warfare Tactical Information Exchange Subsystem
ASWM Antisubmarine Warfare Module
ASWMO Antisubmarine Warfare Module Officer
ASWMWO Antisubmarine Warfare Module Watch Officer
ASWO Antisubmarine Warfare Officer
ASWOC Antisubmarine Warfare Operations Center
ASWS Advanced Surveillance Workstation
ASW/SOW Antisubmarine Warfare Standoff Weapon
ASWSP Antisubmarine Warfare Systems Project
ASWSSF Antisubmarine Warfare Software Support Facility
ASWTC Antisubmarine Warfare Tactical Coordinator
AT Acceptance Trials
ATAC Air-Transportable Acoustic Communications (Buoy); Airborne Tactical Acoustic Communications
ATACO Air Tactical Control Officer/Operator
ATD Advanced Torpedo Decoy
ATDS Advanced Tactical Data System
ATE Automatic Test Equipment
ATF Amphibious Task Force; Automatic Target Following
ATLA Advanced Thin Line Array
ATO Air/Airborne Tactical Officer
ATP Allied Tactical Publications
ATR Analog Tape Recorder
ATT Acoustic Target Tracker

AU Analyzer Unit
AUTEC Atlantic Undersea Test and Evaluation Center
AUTODIN Automatic Digital Information Network
AUTOSEVOCOM Automatic Secure Voice Communications
AUTOVON Automatic Voice Network
AUX Auxiliary
AVOID Avoidance
AVTD Air Vehicle Technology Department
AVTR Aviator
AW Aviation Antisubmarine Warfare Operator
AWC Air Warfare Control
AWS Acoustic Warfare System
AX Aviation Antisubmarine Warfare Technician
AXBT Airborne Expendable Bathythermograph
AXP Allied Exercise Publications

B

BARSTUR Barking Sands Tactical Underwater Range
BASIC Basic Avionics System Integration Model
BATGAP Battle Group ASW Performance Model
BATMAN Battle Group Maneuvering Model
BB Bottom Bounce; Broadband
BB/TCK Bottom Bounce Track
BB/TCK/ODT Bottom Bounce Track Omnidirectional Transmission
BB/TCK/TF Bottom Bounce Track Triple Frequency
BB/TF Bottom Bounce Triple Frequency
BC Bearing Computer
B/CONF Bearing/Confidence
BDA Battle Damage Assessment
BDHI Bearing Distance and Heading Indicators
BDI Bearing Duration Indicator
BDR Best Depth Range
BFA Bearing Frequency Analysis
BFI Bearing Frequency Indicator

BG Battle Group
BGC Battle Group Commander
BIAS Buoyant Integrated Antenna System
BIDMOD Buoyfield Iterative Detection Model
BIP Bits in Process
BIS Board of Inspection and Survey
BITE Built-In Test Equipment
BIU Black Interface Unit
BLOS Beyond Line of Sight
BOL Bearing Only Launch
BPDMS Basic Point Defense Missile System
BPS Bits per Second
B/R Bearing Rate; Propeller Blade Rate
BRG Bearing
BRI Bearing Recorder Indicator
BRSR Bearing Rate Slide Rule
BSURE Barking Sands Underwater Range Expansion
BT Bathythermograph
BTN Beam-Riding Terrier Missile (Nuclear Warhead)
BTR Bearing Time Recorder
BVP Beacon Video Processor
BW Bandwidth

C

C Speed of Sound Water
C2 Command and Control
C2S Command and Control System
C3 Command, Control, and Communications
C3CM Command, Control, and Communications Countermeasures
C3I Command, Control, and Communications, Intelligence
CA Configuration Audit
CAC Computer-Aided Classification
CAD/C Computer-Assisted Detection/Classification
CAE Computer-Automated Engineering
CALC Calculate
CAO Cost Analysis Organizations
CAP Combat Air Patrol
CAPTOR Encapsulated Torpedo
CAS Computer-Assisted Search

CASE Computer-Aided Systems Engineering
CASREP Casualty Report
CASS Command Activated Sonobuoy System
CAT/CATEG Category
CCG Cartesian Coordinate Grid
CCM Counter-Countermeasure
CCS Combat Control System
CCSC Cryptologic Combat Support Console
CCSIP Combat Control System Improvement Program
CCU Central Control Unit
CD Counterdetection
C&D Command and Decision System
CDC Combat Direction Center; Central Data Controller
CDF CWCS Development Facility
CDP Contact Data Package
CDPS Consolidated Decision Package Set
CDS Combat Direction System
CE Current Estimate
CEB CNO Executive Board
CEP Contact Evaluation Plot
CETS Contractor Engineering Technical Services
CFA Cognizant Field Activity
CFR Cylinder Firing Rate
CFSR Contract Funds Status Report
CFV Control Formatting Unit
CFY Current Fiscal Year
CG Guided Missile Cruiser
CGN Guided Missile Cruiser Nuclear
CGX Future Guided Missile Cruiser
CHIRP High Resolution Pulse Compression
CHIP Change of Operating Procedure
CI Contact Investigation; Configuration Item
CIC Combat Information Center
CICSUP Combat Information Center Supervisor
CIDS Coordination in Direct Support
CINC Commander in Chief
CINCEUR Commander in Chief, U.S. Forces, Europe
CINCLANT Commander in Chief, U.S. Forces, Atlantic

CINCLANTFLT Commander in Chief, U.S. Atlantic Fleet
CINCPAC Commander in Chief, U.S. Forces, Pacific
CIP Critical Intelligence Parameter
CIT Command Interface Test; Controlled Interceptor Trainer
CIWS Close-In Weapon System
CJCS Chairman, Joint Chiefs of Staff
CLAMS Countermeasure Launcher and Module System
CLASS Classification (Ships)
CLF Comparative LOFAR fixing
CLG Guided Missile Light Cruiser
CLI Communications Line Interface
CLIPS Calculator Link Processing System
CM Countermeasure; Cruise Missile
CMD Command
CNCC Communications Network Computer/Controller
CND Chief of Naval Development
CNO Chief of Naval Operations
CNR Chief of Naval Research
CNOC Commander Naval Oceanography Command
CO Commanding Officer
COD Carrier On-Board Delivery
CODAR Correlation Detection and Recording
COFIX Comparative LOFAR Fixing
COMM Communications
COMM MSG Communication Message
COMM PARAM Communications Parameter
COMMSAT Communications Satellite
COMNAVSURFLANT Commander, Naval Surface Force, U.S. Atlantic Fleet
COMPASS Computer-Aided Surveillance Subsystem
COMPATFOR Commander Patrol Force
COMSEC Communications Security
COMSUB (LANT) Commander Submarine (Atlantic-Norfolk);
(PAC) (Pacific-Pearl Harbor)
COMSUBGRU Commander, Submarine Group

COMSUBLANT Commander, Submarine Force, U.S. Atlantic Fleet
COMSUBPAC Commander, Submarine Force, U.S. Pacific Fleet
CONPLAN Operation Plan in Concept Format
COPS Computer-Oriented Partial Sum Beamformers
CORR Correlation
COSAL Consolidated Ship/Station Allowance List
COTAC Co-Tactical; Co-TACCO (Tactical Coordinator)
COTD Commanding Officer Tactical Display Operator
CP Coded Pulse; Communications Processor
CPA Closest Point of Approach
CPAM CNO Program Analysis Memorandum
CPCI Computer Program CI
CPCR Computer Program Change Request
CPD Cumulative Probability of Detection
CPFF Cost Plus Fixed Fee
CPIF Cost Plus Incentive Fee
CPP Claimant Program Proposal
CPPG CNO Policy and Planning Guidance
CPU Central Processing Unit
C&R Coordination and Reporting
CR Constant Resolution
CRA Communications Relay Aircraft
CRATT Covered Radio Teletype
CRT Cathode Ray Tube
CS Combat System; Computer Subsystem
CSA Close Support Area
CSC Combat System Coordinator
CSCG Communications System Control Group
CSDC Central Signal Data Converter
CSDR Combat System Design Requirement
CSE Course
CSEDS Combat System Engineering Development Site

CSP Changeable System Parameter
CSR Crankshaft Rate
CSRC Cryptologic Support Resource Console
CSS Computer Subsystem
CST Console Selected Target
CSTAP CNO Studies and Analyses Program
CT Combined Trials
CTAL Crystal (XTAL)
CTCZ Carrier Tactical Control Zone
CTF Commander Task Force
CTG Commander Task Group
CTOL Conventional Takeoff and Landing
CTS Course to Steer
CTSDB Centralized Theater Surveillance Data Base
CTSL Common Track Stores Locator
CTU Commander Task Unit
CUDIXS Common User Digital Information Exchange System
CV Aircraft Carrier
CVA Attack Aircraft Carrier
CV/ASWM Carrier ASW Module
CVBF Carrier Battle Force
CVBG Carrier Battle Group
CV-CS CV Combat System
CVHG Helicopter and Guided Missile Aircraft Carrier
CVIC Carrier Intelligence Center
CVIC SUPPLOT Carrier Intelligence Center Supplementary Plot
CVN Aircraft Carrier Nuclear; Multipurpose Aircraft Carrier (Nuclear-Powered)
CVOS Carrier Operating System
CVSG Guided Missile Antisubmarine Aircraft Carrier
CVTSC Carrier-Based Tactical Support Center
CW Continuous Wave
CWC Composite Warfare Commander
CWCS Common Weapons Control System
CWI Continuous Wave Illuminator
CZ Convergence Zone

CZR Convergence Zone Range
CZW Convergence Zone Width

D

DA Developing Agency
D/A Digital-to-Analog
DAC Design Analysis and Commonality
DAMA Demand Assigned Multiple Access
DAME Distance and Altitude Measuring System; Distance/Azimuth Measuring Equipment
DAMS Drum Auxiliary Memory Subunit
DARPA Defense Advanced Research Projects Agency
DARS Defense Acquisition Regulatory System
DASG Digital Acoustic Signal Generator
DASS Digital Acoustic Simulator System
DATS Data Transmission System
DBM Data Base Management
DC Data Complete; Development Coordinator
DCA Defense Communications Agency
DCP Decision Coordinating Paper; Development Concept Paper
DCS Defense Communications System
DC&T Detection, Classification, and Targeting
DCU Display Control Unit
DD Destroyer
D/D Digital to Digital
D&D Display and Decision (Area of CIC)
DDC Digital Data Computer
DDG Guided Missile Destroyer
DDGX Future Guided Missile Destroyer
DDN Defense/Digital Data Network
DE Data Element; Destroyer Escort; Decoder/Encoder
D/E Diesel/Electric; Depression/Elevation
DECM Defensive Electronic Countermeasures
DECPT MAN Deceptive Maneuver
DEFCON Defense Readiness Condition
DEMON Demodulated Noise

DES Data Encryption Standard	DOD Department of Defense
DF Direction Finder; Display Formatter	DON Department of the Navy
D&F Determination and Findings	DONPIC Department of the Navy Program Information Center
DGU Display Generator Unit	DOP Development Options Paper
DI Directivity Index	DOTS Development Operational Tactical System
DIA Defense Intelligence Agency	DP Direct Path
DICASS Directional Command Activated Sonobuoy System	DP&E Director, Planning and Evaluation
DIDP Display Data Processor	DPS Data Processing System
DI/DU Data Input/Data User	DR Dead Reckoning
DIFAR Directional Low Frequency Analysis and Recording (LOFAR)	DRB Defense Resources Board
DIHT Data Input History Table	DRM Direction of Relative Motion
DIMUS Digital Multibeam Steering	DRO Data Readout
DISMAC Digital Scene Matching and Correlation	DRS Detection and Ranging Set
DITEG Digital Television Graphics	DRT Dead Reckoning Track
DITS Data Information Transfer System	DS Direct Support
DIU Digital Interface Unit	DSA Distant Support Area
DL Directional Listening	DSARC Defense Systems Acquisition Review Council
DLA Defense Logistics Agency	DSB Defense Science Board
DLC Directional Listening Control; Down Link Communication	DSC Deep Sound Channel
DLCS Data Link Communications System	DSCS Defense Satellite Communications System
DLI Deck-Launched Interceptor	DSL Deep Scattering Layer
DLP Director of Laboratory Programs	DSM Data Storage Memory; Digital Simulation Model
DLPP Data Link Preprocessor	DSMC Defense Systems Management College
DLRP Data Link Reference Point	DSP Defense Standardization Program
DM Digital Memory	DSSCS Defense Special Security Communications System
DM/SINS Dual Miniature/ Ships Inertial Navigation System	DSSI Digital Sector Scan Indicator
DMA Defense Mapping Agency; Direct Memory Access	DST Destructor (Mine)
DME Distance Measuring Equipment; Distance Measurement Estimation	DT Data Transmission; Digital Tracker; Detection Threshold
DMP Direct Measurement Program	DTAS Depressors to Towed Array Sonar
DMS Data Multiplexer Subunit; Disk Memory Set; Drum Memory System	DTC Desk Top Computer/Counter
DMSO Director Major Staff Office	DTD Data Transport Device
DMTC Digital Magnetic Tape Controller	DTDMA Distributive Time Division Multiplier Access
DMTU Digital Magnetic Tape Unit	DT&E Developmental Test and Evaluation
DMU Digital Memory Unit; Data Measurement Unit	DTG Date-Time Group
DMX Demultiplexer	DTIC Defense Technical Information Center
DNCU Data Net Control Unit	DTL Direct Travel and Labor
DNL Director of Navy Laboratories	DTP Design to Price
DNPP Director, Navy Program Planning	DTS Data Terminal Set
DNPPG Department of the Navy Policy and Planning Guidance	

DTVPU Digital TV Projection Unit
DVARS Doppler Velocity Altimeter Radar Set
DVST Direct View Storage Tube
DX Data Extraction

E

E Event
EAF Expeditionary Air Field; Experimental Analysis Form
EAM Emergency Action Messages
EAP Emergency Action Procedures
EAS Engine Alternatives Study
EC Engineering Change; Evaluation Center
EC-121 Electronic Surveillance Aircraft
ECCM Electronic Counter-Countermeasures
ECLIPS Expanded Calculator Link Information Processing
ECM Electronic Countermeasures (Active)
ECMD Enemy Cruise Missiles Defeated
ECMU Extended Core Memory Unit
ECP Engineering Change Proposal
ECT Estimated Completion Time
EDD Engagement Data Display
EDE Environmental Data Entry
E/E Entry/Egress
EEFI Essential Elements of Friendly Information
EHF Extremely High Frequency
EIA Environmental Impact Assessments
EIS External Interface Simulator
ELF Extremely Low Frequency
ELINT Electronic Intelligence
ELLIP Ellipse
ELOS Extended Line of Sight
ELW Electronic Warfare
EM Extended Mission
EMATT Expendable Mobile ASW Training Target
EMC Electromagnetic Compatibility
EMCON Emission Control
EMI Electromagnetic Interference
EMR Enter Mode Radar
EMU Electronic Modular Unit
EOB Electronic Order of Battle

EOOW Engineering Officer of the Watch
EOT End of Tape
EP Estimated Position
EPA Extended Planning Annex
EPC Emergency Preset Console
EPL Electronic Intelligence Parameter Limits
EPS Engineering Performance Standards
EQP Equipment Status Tableau
ERAPS Expendable Reliable Acoustic Path Sonobuoy
ERCS Emergency Rocket Communication System
ERP Effective Radiated Power
ESA Engineering Support Activity
ESBL Engine Start Before Launch
ESGN Electrically Suspended Gyro Navigator
ESM Electronic Surveillance Measures (Passive); Electronic Support Measures
ESMOP Electronic Support Measures Operational Program
ESO Electronic Supply Office
ESR Executive Service Request
ETA Estimated Time of Arrival
ETD Estimated Time of Departure
ETS Engineering Technical Services
EW Electronic Warfare
EWC Electronic Warfare Coordinator
EWEPS Environment/Weapons Effect Prediction System
EWS Electronic Warfare System; Electronic Warfare Supervisor
EXCAP Expanded Capability
EXCOMS External Communications Subsystem

F

FABS Forward Active Buoy Screen
FACSFAC Fleet Air Control and Surveillance Facility
FACT Fast Asymptotic Coherent Transmission
FADAP Fleet ASW Data Analysis Program
FASO Fleet Support Origination
FASP Facility for Automated Software Production
FBM Fleet Ballistic Missile

FBT Fine Bearing Tracker
FCA Functional Configuration Audit
FCC Fire Control Coordinator; Fleet Command Center
FCDSSA Fleet Combat Direction Systems Support Activity
FCPS Fleet Ocean Surveillance Information Center Communications Processing Subsystem
FCR Fire Control Radar
FCRC Federal Contract Research Center
FCS Fire Control System
FCSC Fire Control System Coordinator
FCTCLANT Fleet Combat Training Center, Atlantic
FCTCP Fleet Combat Training Center, Pacific
FD Functional Description
FDDI Fiber-Optic Distributed Data Interface
FDDS Flag Data Display System
FDE Frequency Domain Equalization
FDS Fixed Distributed Subsystem
F/E Fleet Escort
FED Federation
FF Frigate
FFG Guided Missile Frigate
FFK Fixed Function Key
FFT Fast Fourier Transform
FHLT Force High-Level Terminal
FIC Fleet Intelligence Center
FICLANT Fleet Intelligence Center, Atlantic
FICPAC Fleet Intelligence Center, Pacific
FIDU Filtered Input Data Unit
FIP Fleet Introduction Program
FK Function Key
FLETAC Fleet Tactical
FLIR Forward-Looking Infrared Radar
FLIT Frequency Line Integration Trackers
FLIT/MATE Frequency Line Tracker/Manual Adaptive Target Motion Analysis Evaluator
FLTCINC Fleet Commander-in-Chief
FLTSATCOM Fleet Satellite Communications
FM Frequency Modulation
FMF Fleet Marine Forces

FMR Financial Management Report
FMSO Fleet Material Supply Office
FN Function
FNOC Fleet Numerical Oceanographic Center
FNWC Fleet Numerical Weather Center
FOM Figure of Merit
FORSTAT Force Status and Identity Report
FOSIC Fleet Ocean Surveillance Information Center
FOSIF Fleet Ocean Surveillance Information Facility
FOTC Force OTH-T Track Coordinator
FOT&E Follow-On Test and Evaluation
FOV Field of View
FPO Firing Petty Officer
FQR Functional Qualification Review
FQT Formal Qualification Test
FR Engine Firing Rate
FRAZ Frequency-Azimuth
FREQ Frequency
FRO Flexible Response Option
FROG Functional Requirement Operation Goal
FRS Fleet Readiness Squadron
FSA Fast/Slow Adapter
FSD Full-Scale Development
FSK Frequency Shift Keying
FTA Fast-Time Analyzer
FTC Frequency Translator-Compressor; Force Track Coordinator; False Target Can
FTP Functional Test Procedure; Fly to Point
FTV Force Training Video
FUR Failure and Unsatisfactory Report
FWC Weather Center
FWD Forward
FP, EX/P Fleet Exercise Publications
FY Fiscal Year
FYDP Five-Year Defense Plan

G

GaAsp Gallium Arsenide Phosphate
GACTION Graphics Analysis and Correlation Terminal
GDE General Data Entry

GEM Generic Engagement Model
GENSER General Service
 (Communications)
GFCS Gun Fire Control System
GM Guided Missile
GMF Geometric Mean Frequency
GMLS Guided Missile Launching System
GMST Defense Intelligence Agency
 Glossary of Merchant and Ship Types
GMT Greenwich Mean Time (Zulu)
GNST Defense Intelligence Agency
 Glossary of Naval Ship Types
GP General Purpose
GPDC General-Purpose Digital Computer
GPI Position Indicator
GPO Government Printing Office
GPSCS General-Purpose Satellite
 Communications System
GRA Government Research
 Announcement
GRP Glass-Reinforced Plastic
GVD Group View Display

H

HACLCS Harpoon Aircraft Command
 Launch Control Set
HALO Harpoon Air-Launched Over-
 the-Horizon Targeting
HALT Higher Away Lower Toward
HARM High-Speed Antiradiation Missile
HC VERTREP Helicopter; Helo
 Coordinator
HCU Helicopter Control Unit
HDR Header
HE High Explosive
HELO Helicopter
HELOMTWR Helicopter Long-Range
 Acoustic System
HERO Hazards of Electromagnetic
 Radiation to Ordnance
HESDEP Helicopter Sensor Development
 Program
HESM Helicopter Screening Model
HF High Frequency
HFDF High-Frequency Direction Finding
HgCdTe Mercury Cadmium Telluride
HIFR Helicopter In-Flight Refueling
HIP Hardware Integration Program

HIT High-Interest Target
HLA Horizontal Line Array
HLOP Hyperbolic Line of Position
HLT High-Level Terminal
HM AMCM Helicopter
HML Marine Light Assault Helicopter
HMM Marine Medium Assault Helicopter
HNB Hydrophone Narrowband
HOF Hits On Own Force
HOGE Hover Out of Ground Effect
HOJ Home On Jamming
HOLD Retain in Ambiguity File
HOLT Retain in Ambiguity File
HOST Hostile
HOZ Horizontal
HPAC High-Pressure Air Compressor
HQ Headquarters
HS Carrier ASW Helicopter; Helicopter
 ASW Squadron
H&SE Handling and Storage Equipment
HSIS Horizontal Situation Indicator
 System
HSL LAMPS ASW Helicopter
HSR Helicopter Supported Radar
HST Hauldown, Securing, and Traversing
HT Homing Terrier (Missile)
HTR Homing Terrier Retrofit; Hardware
 Trouble Report
HUK Hunter Killer
HULTEC Hull-to-Emitter Correlation
HVD Hub Vortex Dissipator
HVU High-Value Unit
H/W Hardware
HWCIP Harpoon Weapon Control
 Indicator Panel Operator
HWS Harpoon Weapon System
HX Experimental Helicopter
HXM Next Generation Marine Medium
 Assault Helicopter

I

IAC Interarray Communications
IACS Integrated Acoustics
 Communication System
IAD Interarray Display; Integrated
 Acoustic Display
IAP Interarray Processor
IAS Indicated Airspeed
IC Intelligence Center

ICAD Integrated Cover and Deception	IOC Initial Operational Capability;
ICAPS Integrated Carrier ASW Prediction System	Input/Output Controller
ICDC Improved Control Display Console	IOIC Electronics/Integrated Operational Intelligence
ICS Integrated Communications System	IOT&E Initial Operational Test and Evaluation
ID Identification	IP Initial Point
IDENT Identify	IPDMS Improved Point Defense Missile System
IDHS Intelligence Data Handling System	IPL Initial Program Load
IDP Individual Development Plan	IPS Integrated Program Summary
IDS Information and Display System; Interface Design Specification	IPSS Information Processing Subsystem
IDWA Interdirectorate Work Agreement	IQS Individual Qualification Standards
IDZ Inner Defense Zone	IR Infrared
IESS Information Extraction Subsystem	IRCM Infrared Countermeasure
I/F Interface	IRDS Infrared Detection System
IFCC Interim Fleet Command Center	IRDTS Infrared Detection and Tracking System
IFF Identification, Friend or Foe	IRMLD Infrared Missile Launch Detector
IFFN Identification, Friend, Foe, or Neutral	IREPS Integrated Refraction Effects Prediction System
IFM Instantaneous Frequency Monitoring; Intermediate Frequency Modulation	IRP Interference Rejection Processor; Intermediate Rated Power
IFPM In-Flight Performance Monitoring	IRSS Infrared Search Set
IFR Instrument Flight Rules	IS Intelligence Systems; Information System
IFT In-Flight Technician	ISA Integrated Support Area
IFTAS Interim Fast Time Analyzer System	ISAR Inverse Synthetic Aperture Radar
IG Inspector General	ISD Initial Search Depth
IID Integrated Information Display	ISE Individual Ship Exercises
IIF Integrated Information Function	ISR Identification Safety Range
ILCS Improved Low-Cost Sonobuoy	ISS Intelligence Support System
ILS Integrated Logistic Support	ITA Intermediate Time Averaged
ILSP ILS Plan	ITASS Interim Towed Array Surveillance System
IMA Intermediate Maintenance Activity	ITDA Integrated Tactical Decision Aid
IMC Instrument Meteorological Conditions	ITER Improved Triple Ejection Rack
IMU Inertial Measurement Unit	ITERCOMS Internode Communications Subsystem
IMRL Individual Material Requirements List	ITRACOMS Intranode Communications Subsystem
IMS Instrumented Measuring System	ITP Integrated Test Package
INC Inertial Navigation Computer	ITSS Improved Tactical Surveillance System
INCOS Integrated Control System	IUSS Integrated Undersea Surveillance System; Integrated Underwater Sound System (SOSUS)
INS Inertial Navigation System; Institute of Naval Studies	IVDS Independent Variable-Depth Sonar
INT Initialization Tableau	
INTEL Intelligence	
I/O Input/Output	
IO Inventory Objective	
IOA Input/Output Adapter	

IV&V Independent Validation and Verification
I&W Indications and Warnings
IWD Intermediate Water Depth (Mine)
IXS Information Exchange System

J

JCS Joint Chiefs of Staff
JCSM Joint Chiefs of Staff Memorandum
JEZ Jezebel Relay
JIEP Joint Intelligence Estimate for Planning
JINTACCS Joint Interoperability Tactical Command and Control System
JLRSA Joint Long-Range Strategic Appraisal
JMSNS Justification for Major System New Start
JOOD Junior Officer of the Deck
JOPS Joint Operations Planning System
JOTS Joint Operational Tactical System
JTIDS Joint Tactical Information Distribution System

K

KAST Kalman Automatic Sequential Target Motion Analysis
KCMX Keyset Control Multiplexer
KIAS Knots Indicated Airspeed

L

LAMBDA Large-Aperture Marine Basic Data Array
LAMPS Light Airborne Multipurpose System
LAMPS-MK-III Light Airborne Multipurpose System Mark-III
LAN Local Area Network
LANTCOM Atlantic Command
LANTFLT U.S. Atlantic Fleet
LAR Launch Acceptability Region
LASCAR Localization and Attack Systems Characterizations
LAVA Linear Acoustic Vernier Analysis; Low-Frequency Acoustic Vernier Analyzer
LC Launch Control

LCC Amphibious Command Ship
LCCP Launcher Captain Control Panel
LCCPO Launcher Captain Control Panel Operator
LDMX Local Digital Message Exchange
LDR Low Data Rate
LEC LAMPS Element Coordinator
LF Low Frequency
LFA Low Frequency Active
LFM Low Frequency Modulation
LGB Laser-Guided Bomb
LGD Large Group Display
LGR LOFAR Gram Recorder
LGVD Large Group View Display
LHA Amphibious Assault Ship (General Purpose)
LICT Longitudinal Induced Compensation Trimmer
LIDAR Light Detection and Ranging
LINK TIUSS Internode Link
LLA Limiting Lines of Approach
LLTV Low-Light-Level Television
LLSA Limiting Lines of Surface Approach
LLQA Limiting Lines of Quiet Approach
LLSUA Limiting Lines of Submerged Approach
LMS Lightweight Magnetic Sweep
LOB Line of Bearing
LOFAR Low-Frequency Analysis and Recording
LORA Long-Range Addition
LORAN Long-Range Aids to Navigation
LOS Line of Sight
LPH Amphibious Assault Ship
LPI Low Probability of Intercept
LR Long Range; Locating Report
LRAACA Long-Range Air ASW Capable Aircraft
LRASM Long-Range Air-to-Surface Missile
LRG Long-Range Guidelines
LRI Limited Range Intercept
LRM Limited Range Missile
LRMP Long-Range Maritime Patrol
LRO Long-Range Objectives
LSB Lower Sideband
LSD Large Screen Display
LSI Low Ship Impact

LSNSR Line-of-Bearing Sensor
LSR Line Scan Recorder
L&T Localization and Tracking
LTA Long Time Averaged
LTE Launch-to-Eject
LUNAR Low-Frequency Undersea
 Numerical Acoustic Ranging
LUSC Lightweight Undersea Sensor
 Component
LWTR Lightweight Infrared (Sensor)

M

M/A Modeling and Appraisals
MAC Military Airlift Command
MAD Magnetic Anomaly Detector
MADAIR Magnetic Anomaly Detection
 and Identification Ranging
MADC Machine-Assisted Detection and
 Classification
MADTACS MAD Tracking and
 Compensation Software
MADVECS Magnetic Anomaly Detector
 Vectors
MARISAT Maritime Satellite
MASE Modified Aft Signal Ejector
MASWSP Manager, ASW Systems
 Project
MCAR Multichannel Acoustic Relay
MCJR Multichannel Jezebel Relay
MCM Mine Countermeasures
MCP Maintenance Control Panel;
 Maximum Continuous Power
MCU Manual Control Unit; Miniature
 Command Unit
MDL Minimum Detectable Level
MDM Magnetic Drum Memory
MDR Median Detection Range
MDS Minimum Discernible Signal
MEC Main Evaluation Center
MODLOC Modified Location

N

NBDC Narrowband Detection and
 Classification
NBGATE Narrowband Local Area
 Network Gateway
NBLAN Narrowband Local Area Network

NCA National Command Authority
NCC Naval Command Center; Naval
 Component Commander; Network Control
 Center
NCCS Navy Command and Control
 Systems
NCO Net Control Officer
NCS Naval Communications System;
 Naval Control of Shipping; Net Control
 System
NEARTIP Near-Term Improvement
 Program
NESTOR Secure Voice Communication
NFC Numbered Fleet Commander
NGFS Naval Gunfire Support
NIPS Naval Intelligence Processing
 System
NISC Naval Intelligence Support Center
NKP Navigation Keyboard/Printer
NL Noise Level
NLRG Navy Long-Range Guidance
nmi or NM Nautical Mile
NMRG Navy Midrange Guidance
NMGR Navy Modular Growth Radio
NOBSY Naval Observatory
NOIC Naval Operational Intelligence
 Center
NOMSS Naval Oceanographic and
 Meteorological Support System
NOP Naval Operative Plan
NOPF Naval Oceanographic Processing
 Facility
NORDA Naval Ocean Research and
 Development Activity
NORM Normal Position
NOSC Naval Ocean Systems Center
NOSIC Naval Ocean Surveillance
 Information Center
NRO No Runout
NRPF Naval Regional Processing Facility
NRT Non-Real Time
NS Near Surface
NSOF Naval Status of Forces (Data File)
NTDS Naval Tactical Data System
NUWES Naval Underwater Weapons
 Engineering Station
NWESA Naval Weapons Engineering
 Support Activity

NWOC Naval Weather Oceanographic
Center
NWP Naval Warfare Publication

O

OA Operational Assembly
OBS Omnbearing Selector; OSIS
Baseline System
OBU OSIS Baseline Upgrade
ODT Omnidirectional Transmission
OEG Operations Evaluation Group
OMAT Ocean Measurements and Array
Technology Program
OMI Operator Machine Interface
OMS Optimum Mode Selection
OOA Out of Action
OOB Order of Battle
OOD Officer of the Deck
OP CDR Operations Commander
OPCON Operational Control
OPDEC Operational Deception
OPEVAL Operational Evaluation
OPGEN Operation Generation
OPINTEL Operational Intelligence
OPLAN Operational Plan
OPNOTES Operational Notes
OPORD Operating Orders
OPORDER Operation Order
OPS Operations
OPTEVFOR Operational Test and
Evaluation Force
OR Operational Requirement
ORATS Operational Readiness
Assessment and Training System
ORDALT Ordnance Alteration
OSDHT Own-Ship Data History Table
ORI Operational Readiness Inspection
OS Operating System
OSI Open Systems Interconnection
OSIS Ocean Surveillance Information
System
OSP Ocean Surveillance Product
OSS Optimum Sonar Speed
OTC Officer in Tactical Command
OTCIIXS Officer in Tactical Command
Information Exchange Subsystem
OT&E Operational Test and Evaluation
OTF Optimum Traffic Frequency

OTH Over the Horizon
OTH-DA Over-the-Horizon Damage
Assessment
OTH/DCT Over-the-Horizon Detection,
Classification, and Targeting
OTH-T Over-the-Horizon Targeting
OTMS Operational Technical
Management System
OTPI On-Top Position Indicator
OTS Over the Side
OUTBOARD Shipboard Tactical Signals
Exploitation/Direction Finding System

P

P-3C A Land-Based, Fixed-Wing Patrol
Aircraft, ASW
PA Periscope Assistant; Probability of
Attack
PAC Passive Acoustic Classification
PACLOC Passive Acoustic Classification
Lock
PAD Passive Acoustic Detection
PADS Passive Advanced Sonobuoy
PAIR Performance and Integration
Retrofit
PBB Passive Broadband
PCOTES Prototype Carrier Operational
T&E Site
PD Probability of Detection
PDC Practice Depth Charge; Probability
of Detection and Conversion
PDIP Preflight Data-Insertion Program
PDIT Preflight Data-Insertion Tape
PDM Point Defense Missile
PDPC Post-Detection Pulse Compression
PDR Periscope Depth Range
PDS Passive Detection System; Pulse
Doppler Search
PDT Processed Directional Transmission;
Passive Detection and Tracking
PE Parabolic Equation
PEC Passive Equipment Cabinet
PEP Performance Evaluation and
Prediction Program (SOSUS)
PERT/CPM Program Evaluation Review
Technique/Critical Path Method
PF Patrol Frigate
PFA Probability of False Alarm
PFN Pulse Forming Network

PG Patrol Gunboats
PGG Guided Missile Patrol Boat
PGGX Future Guided Missile Patrol Boat
PHIT Probability of Hit
PHITAR Predesignated High-Interest Target Area
PHOTINT Photographic Intelligence
PI Performance Index
PI/PE Passive Identification and Detection Equipment
PIM Position and Intended Movement
PIRAZ Positive Identification Radar Advisory Zone
PK Position Keeping; Probability of Kill
PL Probability of Localization; Position Launch; Propagation Loss
PLBOL Position Launch/Bearing Only Launch
PLE Prudent Limit of Endurance
PLX Position Launch Search Mode
PM/FD/FL Performance Monitoring/Fault Detection/Fault Location
PM/FL Performance Monitoring/Fault Locating
PMOP Phase Modulation on Pulse
PMTC Pacific Missile Test Center
PNB Passive Narrowband
POE Projected Operational Environments
POM Program Objectives Memorandum
POS Position
POSCOR Position Corrected
POSSUB Possible Submarine
POST Prototype Ocean Surveillance Terminal
PPI Plan Position Indicator
PPS Program Performance Specifications
PR Passive Recording; Problem Report
PRD Predicted Range of the Day
PREOS Prediction of Range for Electro-Optical Systems
PRF Pulse Repetition Frequency
PRI Pulse Repetition Interval; Pulse Rate Indicator
PRITAC Primary Tactical Circuit
PRO Passive Recorder Operator
PROBSUB Probable Submarine Contact
PROP Propulsion
PROTDA Protection Probability for Avoidance Ship/Actual

PRP Pulse Repetition Period
PRR Pulse Repetition Rate
PS Power Supply
PSA Persistent Search and Attack
PSLT Pressurized Sonobuoy Launch Tube
P SNSR Position Sensor
PSP Programmable Signal Processor
PSR Predicted Sonar Range
PSSK Probability of Single-Shot Kill
PTA Passive Tracking Algorithm
PTFG Guided Missile Fast Patrol Boat
PTG Fast Patrol Craft
PTGHX Future Fast Patrol Craft (Hydrofoil)
PTR Program Trouble Report
PU Participating Unit (Data Link)
PUCR Preprogrammed Underwater Communications Receiver
PW Pulse Width

Q

QRC Quick Reaction Capability

R

R Range
RAC Radar Azimuth Converter
RACC Regional ASW Command Center
RACKET TESM Report of Unidentified or Potentially Hostile Emitted
RAD Radar
RADAR Radio Detecting and Ranging
RADIST Radar Distance Navigator
RAP Reliable Acoustic Path
RAPLOC Rapid Passive Localization
RAST Recovery Assist, Securing, and Traversing
RBL Range and Bearing Launch
RCU Remote Control Unit
RD Recognition Differential
RDBMS Raw (Acoustic) Data Base Management System
RDC Remote Data Collector
RDSS Rapidly Deployable Surveillance System; Remotely Deployed Sensor System
RDT Rotating Directional Transmission

REMRO Remote Radar Operator
RESA Research Evaluation and Systems Analysis
REWSON Reconnaissance, Electronic Warfare, Special Operations, and Naval Intelligence Systems
RF Required Function; Radio Frequency
RH Radar Horizon
RIG Recognition and Intelligence Groups
RIU Radar Interface Unit
RL Target Range at Launch
RMI Radio Magnetic Indicator
RMS Root Mean Squared
RO Range Only
ROA Radius of Action
ROC Required Operational Capabilities
ROD Range of the Day
ROE Rules of Engagement
ROF Required Operational Function
ROM Read-Only Memory
ROMS Remote Ocean Surface Measuring System
ROTH-R Relocatable Over-the-Horizon Radar
ROU Radius of Uncertainty
RT Realtime
RTDC Rocket Thrown Depth Charge
RTSP Real Time Signal Processor

S

SA Spectrum Analyzer; Surface to Air
SAC Scene-of-Action Commander; Strategic Air Command
SACC Shore Antisubmarine Warfare Command Center
SAD Submarine Anomaly Distribution
SADR Secure Acoustic Data Relay
SADS Submarine Active Detection System
SAG Surface Action Group
SAM Surface-to-Air Missile
SAOCS Submarine/Air Optical Communication System
SAR Search and Rescue
SASP Single Advanced Signal Processor
SAT Site Acceptance Test
SATCOM Satellite Communications
SAU Search/Attack Unit

SAWS Submarine Acoustic Warfare System
SC Screen Coordinator
SCAM Subsonic Cruise Armed Missile/Decoy
SCAT Surveillance, Communication, ASMD Warning, and Targeting
SCI Ship Controlled Intercept (Radar); Sensitive Compartmented Information
SCC Spare Computer Channel
SCDO Surface Channel Display Operator
SCM Semiconductor Module
SC/PPU System Controller/Post-Processor Unit
SDC Signal Data Converter; Sonar Data Computer
SDDP Shipboard Display Data Processor
SDP Shipboard Data Processor
SDR Signal Data Recorder; Surface Duct Receiver
SDR/RS Signal Data Recorder/Reproducer Set
SDS Surveillance Direction System
SD/T Surface Detector/Tracker
SE Signal Excess
SEAMIX Sea Control Force Mix Study
SEAS Surveillance Environmental Acoustic Support
SEATAC Sea Control Tactical Effectiveness Study
SEC Submarine Element Coordinator
SELO Ship Emitter Location Report
SES Ship-Based Electronics Subsystem
SETAD Secure Electronic Transmission of Acoustic Data
SF Sonobuoy Frequency
SHAREM Ship ASW Readiness/Effectiveness Measurement
SHARPS Ship-Helicopter Acoustic Range Prediction System
SHF Super-High Frequency
SHP Shaft Horsepower
SI Sensitive Information; Special Intelligence; Signal Interference
SIAS Submarine Integrated Antenna System
SID Software Interface Document
SIGINT Signal Intelligence

SIGSEC Signature Security
SIM Submarine Intended Movement
SIMAS Sonar In Situ Mode Assessment System
SINS Sensor Interface Unit; Ships Inertial Navigation System
SIRCS Shipboard Intermediate Range Combat System
SITREP Situation Report
SIU Sensor Interface Unit
SKUNK Surface Contact Known or Assumed to be Enemy
SL Source Level
SLAM Short LOFAR Alerting Message
SLAT Surface-Launched Air Targeted Missile
SLATE Submarine-Launched Air Targeted Missile
SLCM Submarine-Launched Cruise Missile
SLCR Software Level Change Request
SLD Sonic Layer Depth
SLMM Submarine-Launched Mobile Mine
SLOC Sea Line of Communication
SLOT Submarine-Launched, One-Way Tactical (Buoy)
SLT Sonobuoy Launch Tube
S/N Signal/Noise
SNR Signal-to-Noise Ratio
SO Sensor Operator
SOA Speed of Advance
SOCC Submarine Operations Control Center
SODL Submarine Operational Data Link
SOE Summary of Engagements
SOFAR Sound Fixing and Ranging
SOP System Operational Procedure
SOSEX SOSUS Exercise
SOSS Soviet Ocean Surveillance System
SOSUS Sound Surveillance Underwater System
SOTA Surveillance Oceanographic Towed Array
SP Sound-Powered
SPA SOSUS Probability Area
SPARS System for the Prediction of Acoustic Response of Sensors

SPASM Sensor Platform Analytic Scenario Model
SPAWARSSYSCOM Space and Naval Warfare Systems Command
SPEAR Signal Processing, Evaluation, Alert and Reporting
SPIE Ship Precise Identification by Emitter
SPL Sound Pressure Level
SPZ Submarine Patrol Zone
SRL Sonobuoy Receiver Logic
SRP Sonobuoy Reference Positioning (Equipment)
SRS Sonobuoy Reference System
SRX Sonobuoy Receiver
SS Submarine (Attack); Sensor Station
SSAN Auxiliary Nuclear Submarine
SSAP Submarine Sonar Adaptive Processor
SSATS Surface Ship Acoustic Tactical System (SQR-891)
SSB Ballistic Missile Submarine
SSBN Ballistic Missile Submarine (Nuclear)
SSES Ships Signal Exploitation System
SSG Guided Missile Submarine
SSGN Guided Missile Submarine (Nuclear)
SSGNX Future Guided Missile Submarine (Nuclear)
SSGX Future Submarine Guided Missile
SSIP Submarine Sonar Improvement Program
SSIXS Submarine Satellite Information Exchange Subsystem
SSK Killer Submarine (ASW)
SSM Surface-to-Surface Missile
SSMG Ship Service Motor Generator
SSN Nuclear Attack Submarine
SSN(DS) Nuclear Attack Submarine in Direct Support
SSP Sound Speed Profile; Shipboard Signal Processor
SSPCP Shipboard Signal Processor Computer Program
SSPS Sonar Signal Processing System
SSS Surface, Subsurface Surveillance; Strategic Satellite System

SSSC Surface/Subsurface Surveillance Coordinator
SST Sea Surface Temperature
SSTD Surface Ship Torpedo Defense
SSTG Ship Service Turbo Generator
SSWC Surface, Subsurface Warfare Coordinator
SSXBT Submarine Expendable Bathythermograph
STA Short Time Averaged
STANAG Standard NATO Guidelines
STASS Submarine Towed-Array Sonar System
STDL Submarine Tactical Data Link
STIC Surveillance Test and Integration Center
STIZ Submarine Transit Identification Zone
STOL Short Takeoff and Landing
STR Software Trouble Report
STS Ship to Shore; Satellite Tracking System
STT Shore Targeting Terminal
STW Strike Warfare
STWC Strike Warfare Commander
SUBACS Submarine Advanced Combat System
SUBASWEX Submarine ASW Exercise
SUBNOTE Submarine Notice
SUBOPAETH Submarine Operating Authority
SUBRAP Submarine Sonar Range Prediction System
SUBROC Submarine-Launched Antisubmarine Rocket
SUBSAM Subsurface-to-Air Missile
SUBTYP Submarine Type
SURTASS Surveillance Towed-Array Sensor System; Surface Towed-Array Sonar System
SURTOPS Surveillance Training and Operating Procedures Standardization
SUS Sound Underwater Signals
SUW Surface Warfare
SUWC Surface Warfare Coordinator
S&V Survivability and Vulnerability
SVCS Secure Voice Communications System
SVP Sound Velocity Profile

SVTT Surface Vessel Torpedo Tube
SW Switch, Short Wave
SWATS Shallow Water Acoustic Track System
SWC Ship Weapon Coordinator
SWO Surface Watch Officer
SWOP Special Weapons Ordinance Publication
SWRT Sound Wave Ray Track
SWS Strategic Weapons System
SZ Surface Zero

T

TABP Towed-Array Broadband Processing
TAC Tactical, Tactical Air Coordinator
TACAIR Tactical Air
TACAIRPOD Tactical Aircraft ASW Pod
TACAN Tactical Air Navigation
TACC Tactical Air Command Center
TACCO Tactical Coordinator
TACCOM Tactical Communications
TAC D&E Tactical Development and Evaluation
TACEVAL Tactical Evaluator
TACINTEL Tactical Intelligence
TACNAV Tactical Navigation
TACNUC Tactical Nuclear Weapon
TACO Tactical Coordinator
TACRAPS Tactical Range Prediction System
TACSATCOM Tactical Satellite Communication
TACTAS Tactical Towed-Array Sonar
TADCOM Tactical Air Data Communications Link
TADIL Tactical Digital Information Link
TADIXS Tactical Automated Data Information; Exchange Subsystem
TAEAS Tactical ASW Environmental Acoustic Support
TAG Tactical Analysis Group

T-AGOS Auxiliary Ocean Surveillance Ship
TAO Tactical Action Officer
TAP Transient Acoustic Processor
TART Tartar (Missile)

TASDA Tactical Airborne Sonar Decision Aid
TASM TOMAHAWK Antiship Missile
TASS Towed-Array Surveillance System
TASSRAP TASS Range Prediction System
TBR Time Bearing Recorder
TC3 Tactical Command, Control, and Communications
TCG Time Code Generator
TCM Torpedo Countermeasure
TCP Torpedo Control Panel
TCP/IP Transmission Control Protocol/Internet Protocol
TDA Tactical Decision Aid; Torpedo Danger Area
TDB Tactical Data Base or Track Data Base
TDBMS Textual Data Base Management System
TDD Target Detection Device; Tactical Data Display
TDI Target Doppler Indicator
TDP Target Data Processor
TDS Tactical Display System
TDT Target Designation Transmitter
TDZ Torpedo Danger Zone
TELCOM Telemetered Communications
TERCOM Terrain Contour Matching
TESS Tactical Environmental Support System
TEXAS Tactical Exchange Automation System
TF/TG Task Force/Task Group
TFCC Tactical Flag Command Center
TFR Test Failure Report
TGT Targeting
TH True Heading
TIDU Tagged Input Data Unit
TIF Threat Importance Factor
TLAM TOMAHAWK Land Attack Missile
TLCF TACINTEL (Tactical Intelligence) Link Control Facility
TLR Top-Level Requirements
TLS Top-Level Specifications
TLTA Thin-Line Towed Array
TLWR Top-Level Warfare Requirements
TMA Target Motion Analysis
TMP Tactical Mission Program

TMT Total Mission Time
TOE Time of Event
TOR Tactical Operational Requirement; Test Observation Report
TPA TASS Probability Area
TPO Tracking Petty Officer
TPK Turns per Knot
TR Trouble Report
T/R Transceiver; Transmit-Receive
TRAM Target Recognition Attack Multisensor
TRIASP Triple Advanced Signal Processor
TRP Threat Recognition Processor
TS Target Strength
TSAM TARTAR, TERRIER, or TALOS Surface-to-Air Missile
TSC Tactical Support Center
TSCTN TSC Track Number
TSCIIXS Tactical Support Center Information Exchange Subsystem
TSES Tactical Signals Exploitation System
TSP Torpedo Setting Panel
TSR Tactical Sonar Range
TSS Tactical Surveillance System
TSTS TOMAHAWK System Test Set
TTC Tape Transport Cartridge; Target Tracking Console
TTCO Target Tracking Console Operator
TTY Teletypewriter

U

UAV Unmanned Air Vehicle
UB Underwater Battery
UBFC Underwater Battery Fire Control
UBFCS Underwater Battery Fire Control System
UBS Underwater Battery Supervisor
UCLIPS Upgraded Calculator Link Information Processing System
UCP Universal Communications Processor
UFCS Underwater Fire Control System
UFCSO Underwater Fire Control System Officer
UHF Ultrahigh Frequency (300-3000 MHz)
UHFSATCOM Ultrahigh Frequency Satellite Communications
UKL Universal Keypad Logic

UNODIR Unless Otherwise Directed
UNREP Underway Replenishment
UPS Uninterrupted Power Source
UQC Underwater Telephone
URG Underway Replenishment Group
URNH Soviet Union Naval, Hostile
USAF United States Air Force
USB Upper Sideband
USMC United States Marine Corps
USW Undersea Warfare
UTTAS Utility Tactical Transport Aircraft System
UVC Underwater Voice Communications
UWC Underwater Communications

V

VDS Variable Depth Sonar
VDAS Vernier DIFAR Acoustic System
VDL Video Data Link
VDR Variable Depression Receiver
VDS Variable Depth Sonar
VDT Variable Depression Transmission
VECTAC Vectored Attack
VERTREP Vertical Replenishment
VET Target Mean Velocity East
VF Fighter Aircraft
VHF Very High Frequency
VIM Vibration Isolation Module
VIP Visual Image Processor
VLA Vertical Launch ASROC
VLAD Vertical Line Array Directional Low-Frequency Analysis and Recording (DIFAR)
VLF Very Low Frequency
VLR Very Long Range
VLS Vertical Launch System
VMAP Variable Mission Aircraft Platform
VNT Target Mean Velocity North
VOD Vertical On-Board Delivery
VOR Very High Frequency Omnidirectional
VP Fixed-Wing, Land-Based ASW Aircraft
VQ Fleet Air Reconnaissance Squadron
VRD Visual Recognition Differential
VS Fixed-Wing, Sea-Based ASW Aircraft
V/STOL Vertical/Short Takeoff and Landing
VTOL Vertical Takeoff and Landing

W

WAA Wide-Aperture Array
WAP Wideband Acoustic Processor
WAS War at Sea
WB Wideband
WBAR Wideband Acoustic Recall
WBGATE Wideband Local Area Network Gateway
WBLAN Wideband Local Area Network
WCC Weapon Control Console
WCP Weapon Control Panel
WDC Weapon Data Converter
WDE Weapon Direction Equipment
WDI Weapon Delivery Impairment
WDS Weapon Direction System
WEC Weapon Engagement Coordinator
WF Waterfall
WFAD Wide-Frequency Analyzer and Display
WH Warhead
WIF Weapon Interface Function
WLC Weapons Launch Console
WMP Weapon Monitor Panel
WNINTEL Warning Notice-Intelligence Sources and Methods Involved
WRA Weapon Replacement Assembly
WRKSTN Advanced Surveillance Workstation
WS Weapon System
WSAT Weapon System Accuracy Trials
WSEF Weapons System Effectiveness Factor
WSIG Weapons Support Improvement Group
WSIP Weapons Support Improvement Program
WSPD Weapons System Planning Data
WSS Warfare Support System
WWMCCS Worldwide Military Command and Control System

X

XLATE Translate

REPORT DOCUMENTATION PAGE

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